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PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY GLASS LAMP MISSION G-920 25 OCTOBER 1966

Declass Review By NIMA/DOD

NPIC/R-367/66
OCTOBER 1966

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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WARNING

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MISSION G-920 25 OCT 66

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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-920, 25 OCT 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT (ZPU-2, ZPU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED (EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED).

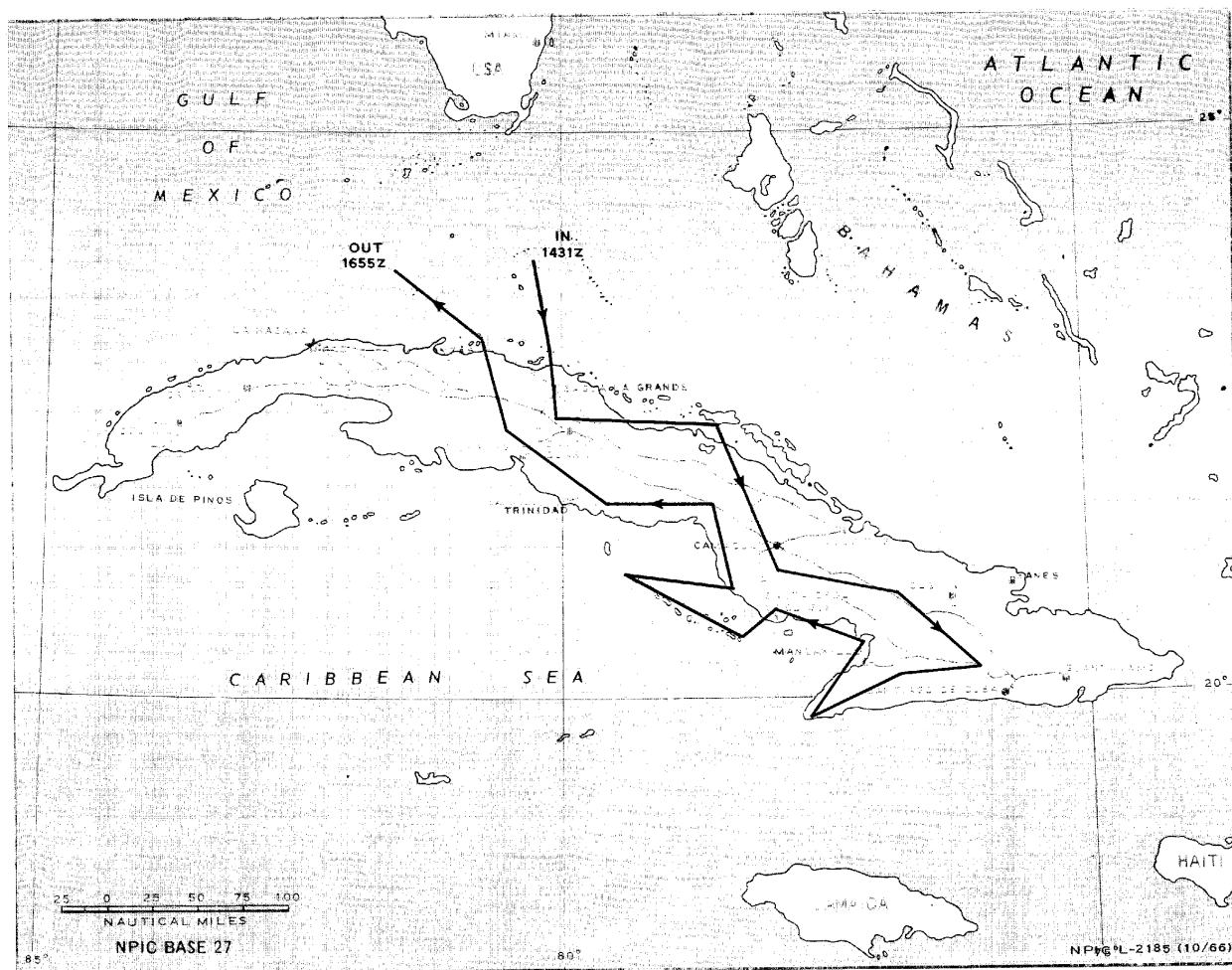
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25X1

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APPROXIMATE TRACK OF GLASS LAMP MISSION G-920, 25 OCTOBER 1966.

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MISSILES

CIFUENTES SAM ASSEMBLY AREA

CU 2236N 08005W

FACILITIES CONSIST OF AT LEAST 8 SUPPORT BUILDINGS AND 2 REVENUED FUEL STORAGE AREAS.

OB -- 9 MISSILE TRANSPORTERS, AT LEAST 60 MISSILE CANISTERS, 12 PROBABLE TRUCK TRACTORS, 1 CARGO TRUCK, AND 4 VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1D



HOLGUIN SAM SITE B27-2

CU 2052N 07627W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 9 MISSILE TRANSPORTERS (6 WITH EXPOSED MISSILES), AND A CENTRAL GUIDANCE RADAR WITH ASSOCIATED EQUIPMENT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



HOLGUIN AIRFIELD SAM SITE

CU 2046N 07619W

OB -- 6 EMPLACED LAUNCHERS (4 WITH MISSILES), 8 MISSILE TRANSPORTERS (5 CANVAS COVERED), AND AN OCCUPIED CENTRAL GUIDANCE AREA.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



SANTA CLARA SAM SITE A34-2

CU 2229N 08000W

PERMANENT SITE REMAINS UNDER CONSTRUCTION.

OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (AT LEAST 1 WITH MISSILE), AT LEAST 12 MISSILE TRANSPORTERS (1 WITH EXPOSED MISSILE), AN OCCUPIED CENTRAL GUIDANCE AREA, 8 PROBABLE TRUCK TRACTORS, AT LEAST 3 OTHER VEHICLES, AND 3 VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



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25X1A

SANTIAGO DE CUBA SAM SITE A23-2

CU 1959N 07550W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 10 MISSILE TRANSPORTERS (AT LEAST 4 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH SHED-COVERED EQUIPMENT, AND 5 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

SANTIAGO DE CUBA SAM ASSEMBLY AREA

CU 2004N 07553W

OB -- 8 MISSILE TRANSPORTERS, AT LEAST 60 MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, AND 11 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTIAGO SAM TRAINING AREA

CU 1958N 07551W

OB -- 23 VAN TRUCKS AND 10 OTHER VEHICLES. FOUR PROBABLE VAN TRUCKS OBSERVED IN VEHICLE PARK 1,200 YARDS NE.
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 2228N 08018W

OB -- 6 EMPLACED LAUNCHERS (AT LEAST 2 WITH MISSILES), 12 MISSILE TRANSPORTERS, AND AN OCCUPIED CENTRAL GUIDANCE REVETMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

PALMA SORIANO SAM SITE A02-2

CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS (2 WITH MISSILES), 7 MISSILE TRANSPORTERS (4 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 1 CARGO TRUCK, AND 1 TRUCK-MOUNTED CRANE.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE. SIX OTHER AAA

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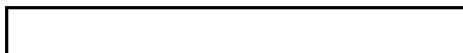
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PIECES OBSERVED ADJACENT TO SUPPORT BUILDINGS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



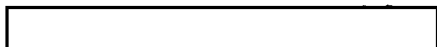
25X1A

CONSTANCIA SAM SITE A10-2

CU 2214N 08030W

OB -- 6 EMPLACED LAUNCHERS, AT LEAST 10 MISSILE
TRANSPORTERS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND AT
LEAST 10 OTHER VEHICLES.
CLOUD SHADOW LIMITS INTERPRETATION.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

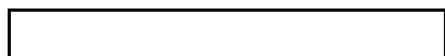


SAN PEDRO DE CACOCUM SAM SITE 1

CU 2047N 07615W

OB -- 5 EMPLACED LAUNCHERS (4 WITH MISSILES), 6 MISSILE
TRANSPORTERS (3 WITH EXPOSED MISSILES), AND A CENTRAL
GUIDANCE RADAR WITH ASSOCIATED EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

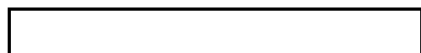


SAN PEDRO DE CACOCUM SAM SITE 2

CU 2045N 07615W

LAUNCH FACILITIES REMAIN UNDER CONSTRUCTION. EIGHT
SUPPORT BUILDINGS ARE NOW COMPLETED.
OB -- NONE.

25X1D



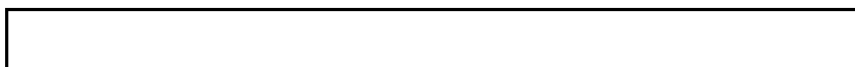
AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD

CU 2229N 07956W

OB -- 19 FAGOT/FRESCO, 1 CRATE, AND 3 HOUND.
ACTIVITY -- 10 PROBABLE MIG 17 SHIPPING CRATES AND 5
SMALLER CRATES (PROBABLE COMPONENT PARTS).

25X1D



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25X1A

CAMAGUEY INTERNATIONAL AIRFIELD

CU 2125N 07750W

OB -- 1 C-46, 1 MEDIUM STRAIGHT-WING, AND 19 HOUND.

25X1D

HOLGUIN AIRFIELD

CU 2047N 07618W

OB -- 10 FAGOT/FRESCO, 1 LIAISON, AND 1 HOUND.

25X1D

ANTONIO MACEO AIRFIELD

CU 1958N 07550W

OB -- 1 CRATE, 2 LIAISON, AND 1 HOUND.

25X1D

CORONEL PASCUAL AIRFIELD

CU 2307N 08117W

OB -- 1 MEDIUM STRAIGHT-WING.
OBLIQUITY LIMITS INTERPRETATION.

25X1D

JAIME GONZALES AIRFIELD

CU 2209N 08024W

OB -- 1 COOT WITHOUT OUTER WING PANELS.

25X1D

BAYAMO AIRFIELD EAST

CU 2022N 07637W

OB -- NONE OBSERVED.

25X1D

BAYAMO AIRFIELD

CU 2023N 07637W

OB -- 3 COLT.

25X1D

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NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE

CU 2208N 08027W

OB -- 2 KRONSTADT-CLASS PC AND 6 P-6-CLASS PT OBSERVED
IN CLOUD-FREE AREAS.
OTHER VESSELS -- 2 LARGE FREIGHTERS.

25X1D

SANTIAGO DE CUBA NAVAL BASE AND PORT

CU 2001N 07550W

OB -- NONE OBSERVED.
OTHER VESSELS -- 4 LARGE FREIGHTERS, 1 COASTAL
FREIGHTER, AND 1 LARGE TANKER.

25X1D

MANZANILLO PORT

CU 2021N 07707W

VESSELS -- NONE OBSERVED.

25X1D

LA ISABELA PORT

CU 2256N 08000W

VESSELS -- NONE OBSERVED.

25X1D

CAIBARIEN PORT

CU 2231N 07928W

VESSELS -- NONE OBSERVED.

25X1D

CARDENAS PORT

CU 2302N 08111W

VESSELS -- NONE OBSERVED.

25X1D

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25X1A

CASILDA PORT

CU 2145N 07959W

VESSELS -- NONE OBSERVED.

25X1D

ELECTRONICS/COMMUNICATIONS

SANTIAGO DE CUBA EW/GCI RADAR SITE

CU 1959N 07551W

OB -- NONE.

ACTIVITY -- 16 TRACKED PRIME MOVERS, 26 CARGO TRUCKS,
AND 7 VAN TRUCKS.

25X1D

SANTIAGO DE CUBA EW/GCI RADAR SITE 2

CU 2005N 07551W

OB -- 1 BAR LOCK AND 1 POSSIBLE FLAT FACE RADAR.

25X1D

CABO CRUZ LOW SIEVE RADAR SITE

CU 1950N 07743W

OB -- 1 LOW SIEVE RADAR.

25X1D

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP

CU 2029N 07600W

OB -- 24 PROBABLE TANKS/SP GUNS, 15 PROBABLE BTR 60-P,
57 PROBABLE FA PIECES, 6 AAA PIECES/MORTARS, 164
PROBABLE CARGO TRUCKS, AND 57 OTHER VEHICLES/PIECES OF
EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1D

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25X1A

DOS CAMINOS MILITARY CAMP

CU 2014N 07547W

OB -- 43 PROBABLE FA PIECES AND 65 VEHICLES/PIECES OF
EQUIPMENT.
OBLIQUITY LIMITS INTERPRETATION.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CAMAGUEY MILITARY CAMP

CU 2126N 07753W

OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CORRALILLO MILITARY AREA

CU 2301N 08038W

OB -- 1 TANK/SP GUN, 11 CARGO TRUCKS, AND 2 UTILITY
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

CUABITAS MILITARY CAMP

CU 2003N 07548W

OB -- 14 TANKS/SP GUNS, 16 CARGO TRUCKS, AND 10 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

JURAGUA MILITARY ACTIVITY

CU 2209N 08035W

OB -- 11 PROBABLE FA PIECES.
NO APPARENT CHANGE IN FACILITIES.

25X1D

LA QUINTA MILITARY CAMP

CU 2002N 07551W

OB -- 15 FA PIECES/MORTARS AND 27 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

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25X1D



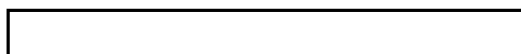
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SANTA CLARA ARTILLERY TRAINING AREA

CU 2222N 08000W

OB -- 19 CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

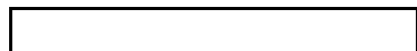


SANTIAGO DE CUBA MILITARY CAMP NW

CU 2003N 07554W

OB -- 11 FA PIECES, 18 CARGO TRUCKS, AND 13 UTILITY
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

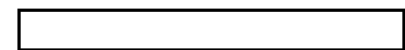


SANTIAGO DE CUBA MILITARY CAMP

CU 2003N 07553W

OB -- 25 FA PIECES, 27 AAA PIECES, 22 MORTARS, 80 CARGO
TRUCKS, AND 24 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

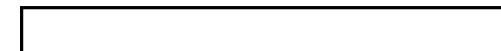


LAS MERCEDES VEHICLE PARK

CU 2224N 08001W

OB -- 9 AAA PIECES, 71 CARGO TRUCKS, 4 UTILITY TRUCKS,
27 OTHER VEHICLES, 4 CARGO TRAILERS, AND 13 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D



LA CHARCA MILITARY ACTIVITY

CU 2246N 08036W

CONSTRUCTION CONTINUES ON BUILDINGS AND ARCH-ROOFED
BUNKERS.

OB (MAIN CAMP) -- 46 FA PIECES, 6 AAA PIECES, 12
MORTARS, 119 CARGO TRUCKS, 16 UTILITY TRUCKS, AND 8
OTHER VEHICLES/PIECES OF EQUIPMENT.

ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.

OB (CAMP 2.0 NM SOUTH) -- 14 TANKS/SP GUNS AND 9 CARGO
TRUCKS.

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CIENFUEGOS MILITARY ACTIVITY

CU 2209N 08027W

OB -- 14 FA PIECES AND 15 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

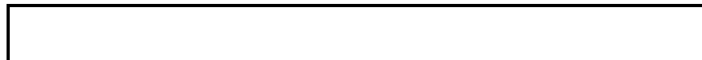


CONDADO PROBABLE MILITARY INSTALLATION

CU 2152N 07951W

OB -- 12 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D



PURIAL DE JIBACOA MILITARY CAMP

CU 2007N 07700W

OB -- 2 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

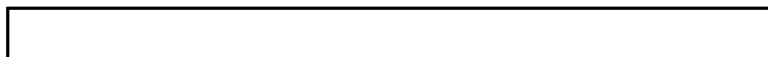


CIENFUEGOS LANDING BEACH

CU 2202N 08036W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D



MAR VERDE LANDING BEACH

CU 1957N 07556W

FIRING RANGE AND SUPPORT BUILDINGS REMAIN UNDER
CONSTRUCTION. TWO TANKS/SP GUNS OBSERVED ADJACENT TO
FIRING RANGE.

25X1D

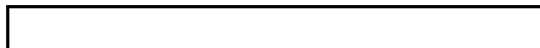


ENSENADA COLORADO LANDING BEACH

CU 2202N 08025W

NO MILITARY ACTIVITY OBSERVED.

25X1D



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-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

CAIBARIEN AIRFIELD	2230N 07928W
SANTA CLARA EW/GCI RADAR SITE	2229N 07956W
VARADERO LOW SIEVE RADAR SITE	2311N 08108W
LA SOCAPA LOW SIEVE RADAR SITE	1958N 07552W

GANUZA LANDING BEACH	2305N 08030W
PENINSULA DE HICACOS LANDING BEACH	2311N 08130W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

LA VEGUITA SAM ASSEMBLY AREA	2049N 07615W
LA MAYA SAM SITE	2014N 07540W
HOLGUIN EW/GCI RADAR SITE	2048N 07618W
RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
SAN MIGUEL EW/GCI RADAR SITE	2229N 07953W
HOLGUIN MILITARY CAMP	2053N 07613W
HOLGUIN MILITARY CAMP NW	2057N 07616W
REMEDIOS MILITARY AREA	2227N 07935W
ANTON RECIO MILITARY INSTALLATION	2211N 08036W
EL CRISTO MILITARY INSTALLATION	2010N 07547W
SANTA CLARA MILITARY ACTIVITY	2220N 07957W
SIBONEY LANDING BEACH	1957N 07542W

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